

7.

FIG. 1

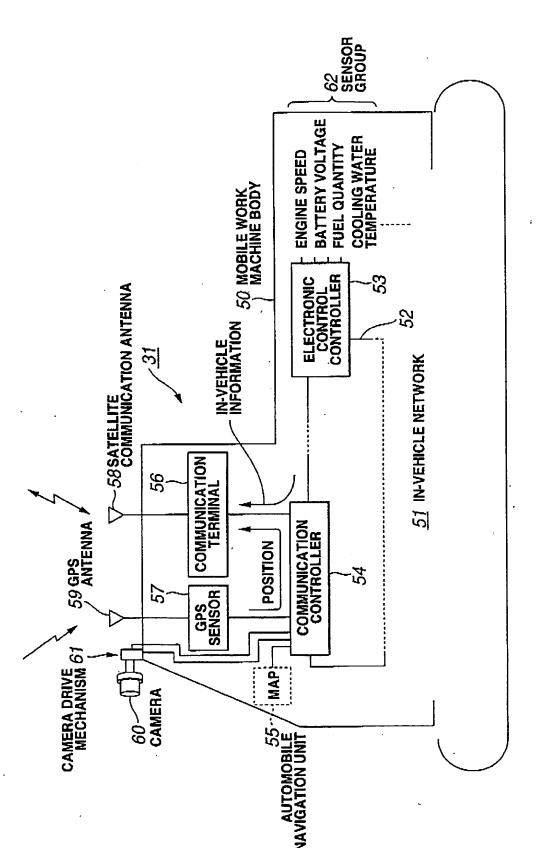


FIG.2

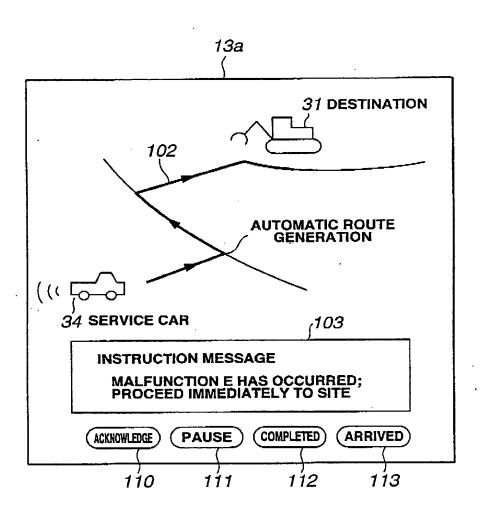


FIG.3

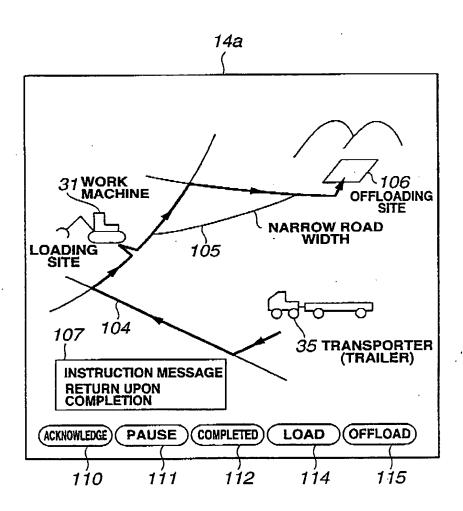


FIG.4

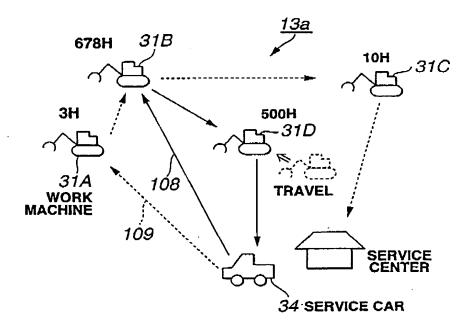


FIG.5

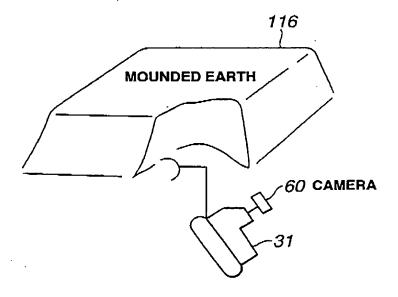
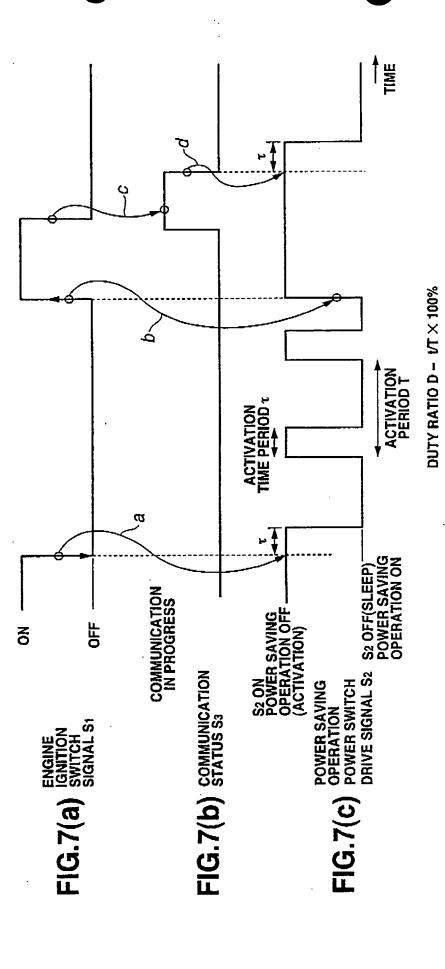
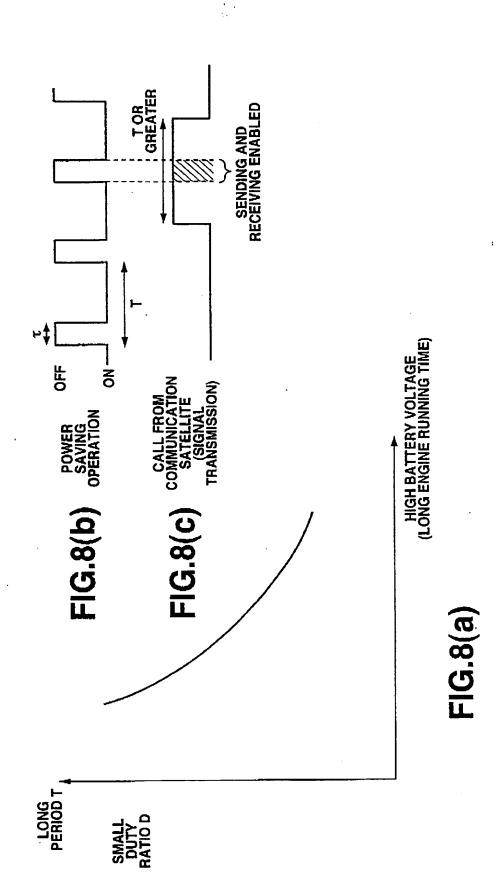


FIG.6





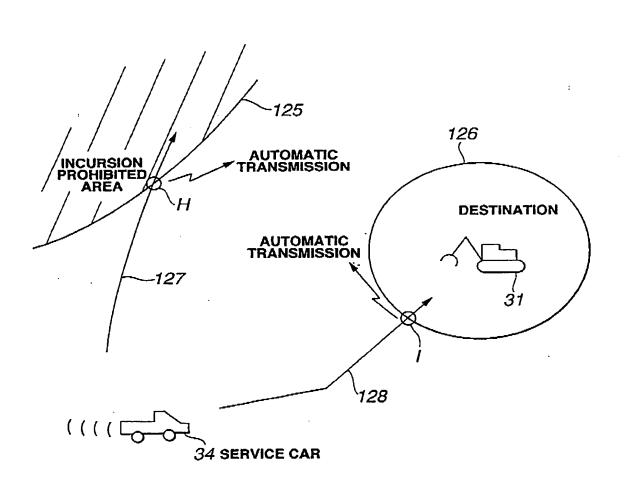


FIG.9

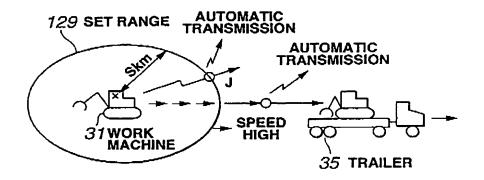


FIG.10

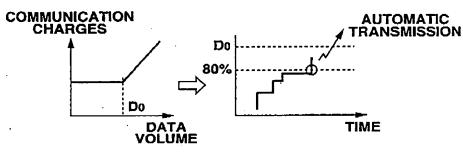
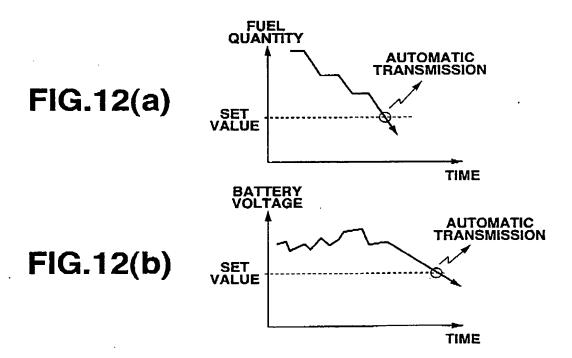
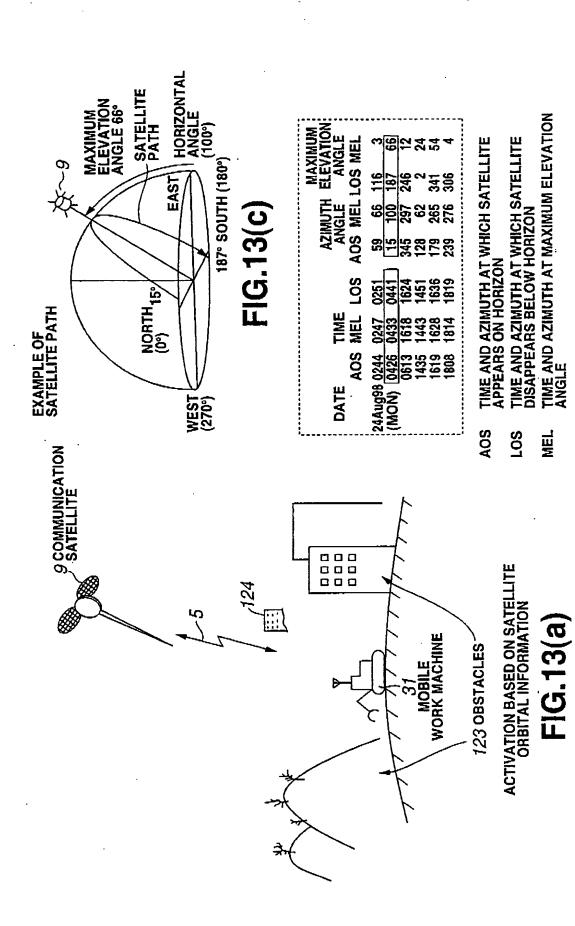


FIG.11(a)

FIG.11(b)





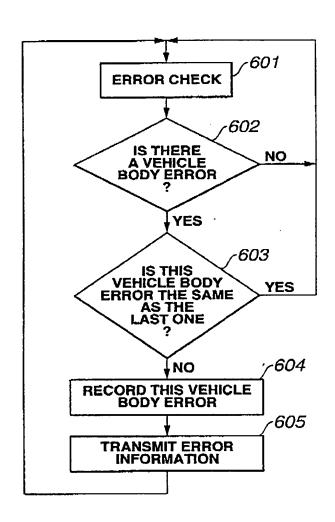


FIG.14

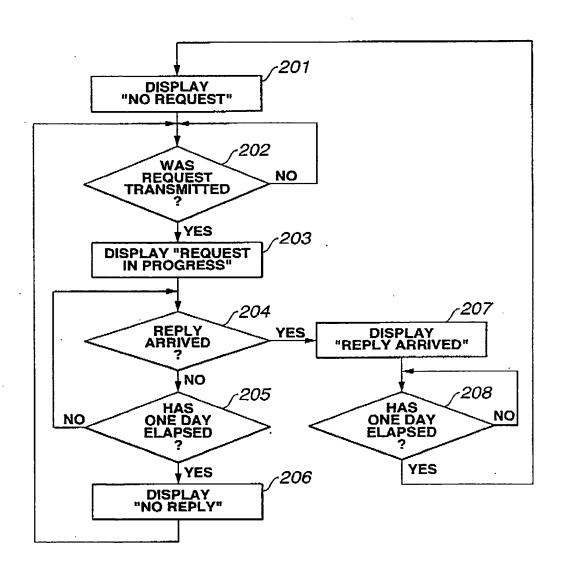


FIG.15

		NO REQUEST	REQUEST IN PROGRESS	REPLY ARRIVED	NO REPLY
FIG.16(a)	COLOR (PATTERN)	элтв ├┬}↓	YELLOW	GREEN GREEN	→ RED
FIG.16(b)	SHAPE	7	Ţ		7
FIG.16(c)	SIZE	MEDIUM	MEDIUM	LARGE	SMALL
FIG.16(d)	CHANGE	- - -	A ROTATION	MOVEMENT	ANINA CALL

SERVICE METER	120H	39H	405H	H26	381H
POSITION	СІТУВ	TOWN E	TOWN A	TOWNC	сіту D
VEHICLE NUMBER	102	234	23	117	233
COMMUNICATION STATUS	YELLOW YELLOW	YELLOW YELLOW	ALLA BLUE	BLUE	ALUE BLUE
	/ ->	1	\))
31	REARRANGE ACCORDING TO COMMUNICATION STATUS	35~	\	·9E	37.
	405H COMMUNICATION STATUS	120H	97H	381H	37.
POSITION SERVICE	_≰8				
VEHICLE POSITION SERVICE NUMBER	IN A 405H CO	үВ 120H	IN C 97H	Y D 381H	39H
TION SERVICE	TOWN A 405H CO	CITY B 120H	TOWN C 97H	BLUE 233 CITY D 381H	TOWN E 39H

FIG.17(b)

FIG.17(a)

	SERVICE METER	120H	H6E
(m)	POSITION	сіту в	TOWN E
1)	VEHICLE NUMBER	102	234
	COMMUNICATION	YELLOW	YELLOW
EXTRACT	7	31	32

FIG.17(c)

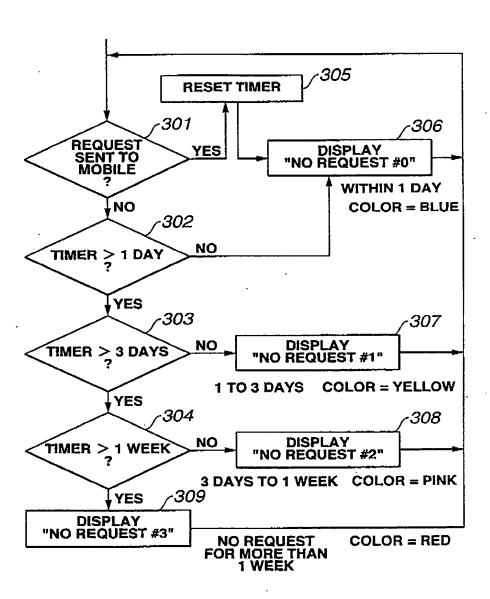


FIG.18

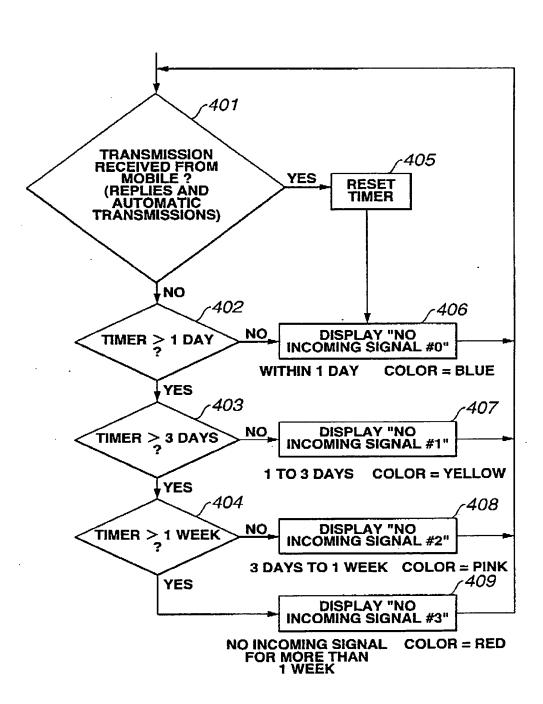


FIG.19

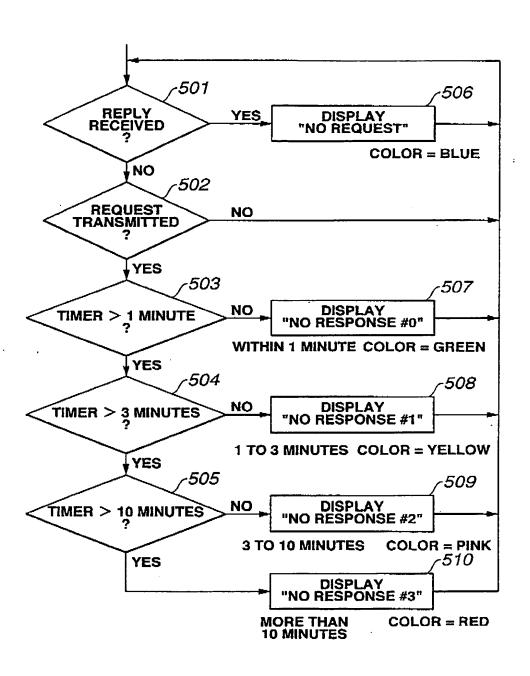


FIG.20

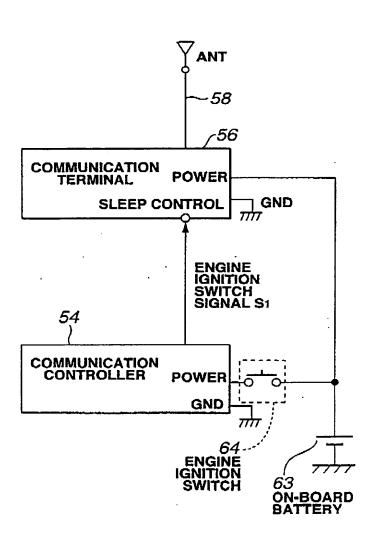


FIG.21

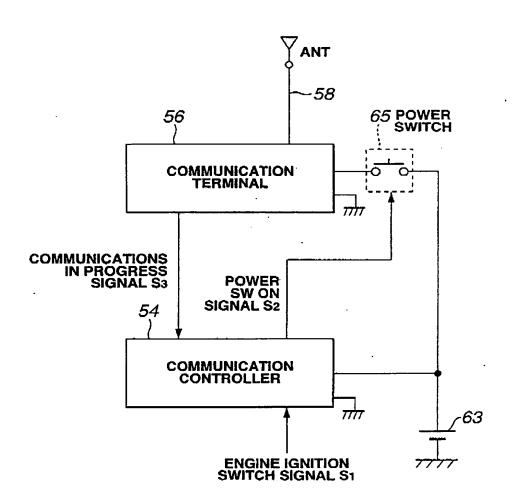
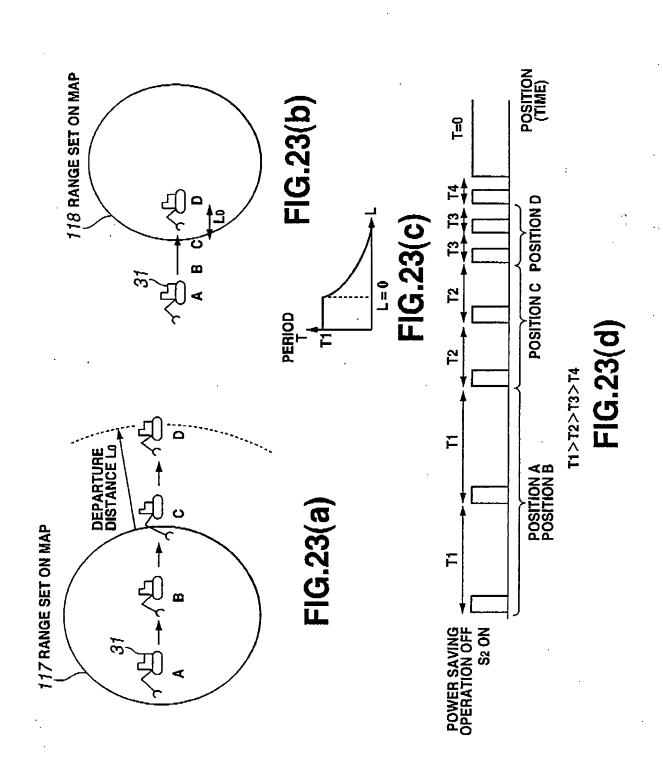


FIG.22



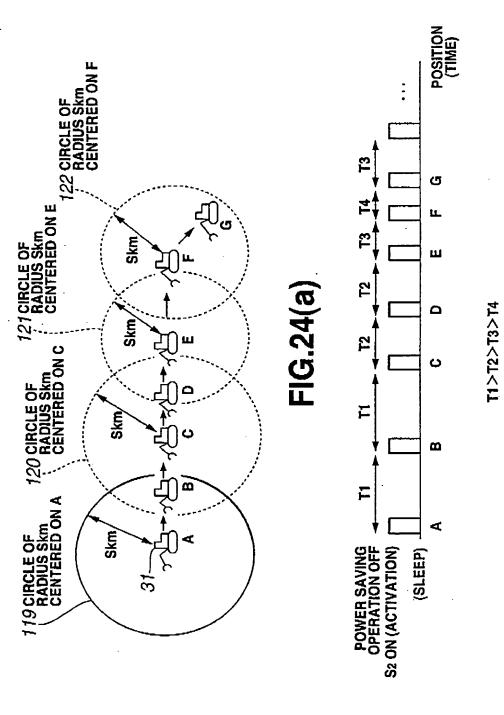


FIG.24(b)

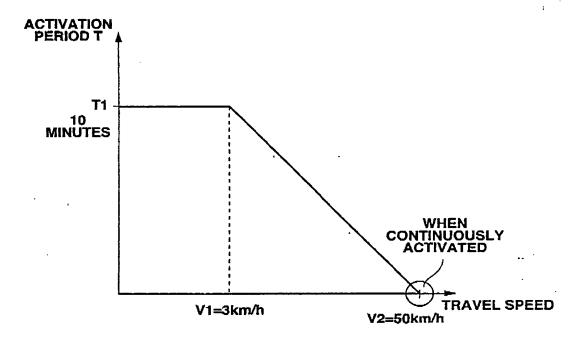
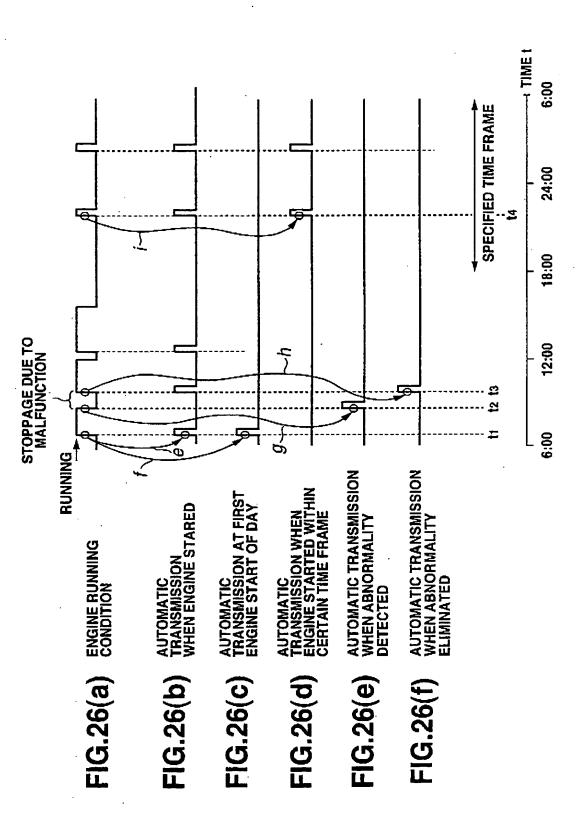


FIG.25



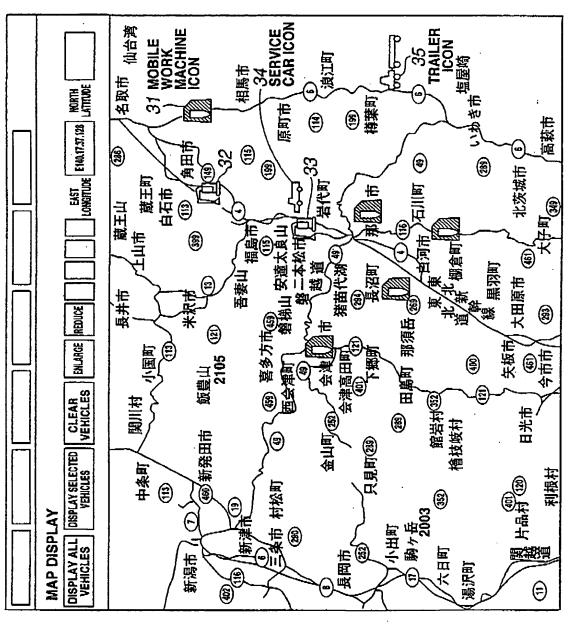
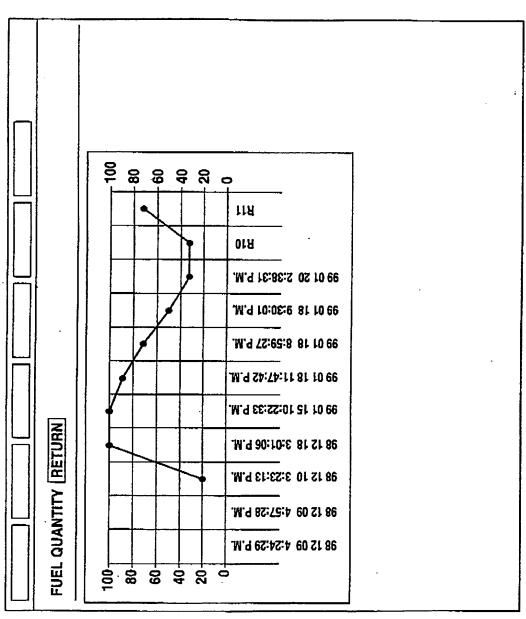


FIG.27

				IMAGE CAPTURED BY CAMERA	716						
TURN				GRAPH	GRAPH	GRAPH	GRAPH				
DATA RE	w e	GRAPH		%	RPM	٨	kg/cm²				
ATEST	NGITUD 39.17.54.21			06	1340	26	35				
DATA BY VEHICLE MODEL : LATEST DATA RETURN	POSITION DATA : HISTORY DATE LATITUDE LONGITUDE 88/10/19 3:58:30 P.M. H35.19.15.240 E139.17.54.210	SERVICE METER 98/10/19 3:58:30 P.M.	ATA	FUEL QUANTITY 98/09/10 5:06:38 P.M. 90	ENGINE SPEED 98/09/10 5:06:38 P.M. 1340	BATTERY VOLTAGE 98/09/10 5:06:38 P.IN. 26	PUMP PRESSURE 98/09/10 5:06:38 P.M. 35	.M.9 85:30:3 01/20/89			GRAРН
DATA BY VE	POSITION DA	SERVICE METER	SPECIFIC DATA	FUEL QUANTITY	ENGINE SPEED	BATTERY VOLTAGE	PUMP PRESSURE	WORK MODE			RUNNING MAP

FIG.28



		CONSTRUCTION ER MACHINE TYPE	CRANE	WHEEL LOADER	SPECIAL	CRANE	BULLDOZER	WHEEL LOADER		· · · · · · · · · · · · · · · · · · ·
		Car ID FACTURER	2	28	26	25	. 06	29	20	
MOBILE LIST DISPLAY		UTILIZING USER C	ASAYAMA KENSETSU	SUZUKI JUK	WIZUI DOBOKU	MIZUI DOBOKU	SUZUKI JUKI	HIRAKI SAISEKI	BREWERY	
MOBILE		PURCHASING USER	ASAYAMA KENSETSU	SUZUKI JUKI	ABE RENTAL	ABE RENTAL	SUZUKI JUKI	HIRAKI SAISEKI	SDH	
		NO.	SSING O	ST IR 1	STIR 2	ST III 3	fal 4	HAL 5	MAL 6	
	CLEAB	מברבסווסש	PROCESSING DONE	PROGRESS PROGRESS	PROGRESS	ATT PROGRESS	MATTER NORMAL	NORMAL.	NORMAL NORMAL	

REQUEST EXECUTION			
REQUEST	SELEC VEHIC	SELECTION OF RECIPIENT OF VEHICLE DATA SENT BACK	CK CK
_' ≝		REPLY RECIPIENT TERMINAL	
TRANSMISSION BYTES 6 RECEPTION BYTES 6 CURRENT BYTE COUNT [1089]		ADMINISTRATOR A	
		ADMINISTRATOR B	
		SERVICE CAR	
		TRAILER	
BASIC DATA			
□ VEHICLE POSITION □ SERVICE METER			
☐ SPECIFIC SINGLE METER			
ALL ON ALL OFF			
□ FUEL QUANTITY			
□ WORK MODE			
☐ VEHICLE BODY ALARM 1			
C) VEHICLE BODY ALARM 2			·
CI BATTERY VOLTAGE			
C) ENGINE WATER TEMPERATURE			
☐ ENGINE SPEED			
CI PUMP PRESSURE			

EXAMPLE OF SCREEN FOR MAKING INFORMATION REQUEST TO MOBILES

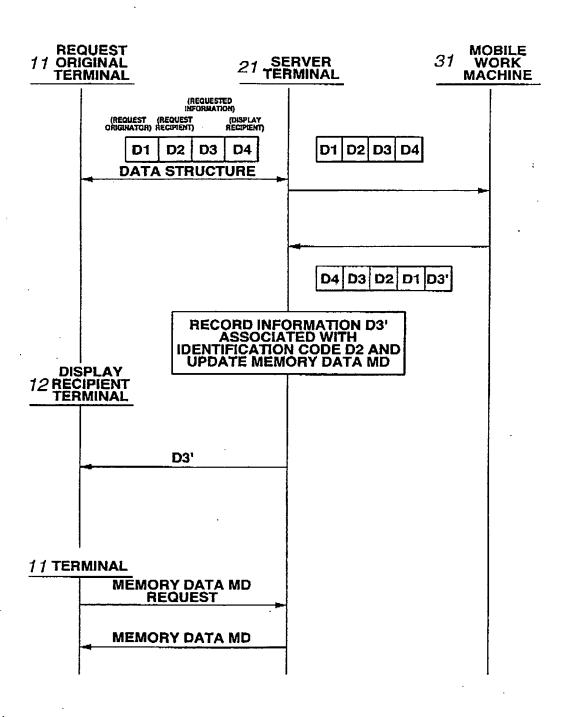


FIG.33

NOTIFICATION SCREEN

There were 7 noticed as of 10:21:31 a.m. on 00/01/31. No.1 to no.7 are displayed.

Previous 20 notices Next 20 notices Page: 1

CONTENT	The lock was set by remote.	Vehicle engine started outside regular hours.	No confirmation of locking received from vehicle.	The battery voltage is low.	The vehicle is out of range.	Vehicle engine started outside regular hours.	No communication with vehicle for 36 hours or more.
102							
<u>=</u>	K623	K005	K108	K008	K315	K311	K116
MACHINE	0251	1338	3007	0011	7789	7633	5422
MANU- MODEL MODEL MACHINE FACTURER NUMBER	7	39	ဗ	ဗ	က	99	
MODEL	PC60	PC200	PC75UU	PC75UU	PC75UU	PC200	PC75UU
MANU- FACTURER	COMPANY	COMPANY PC200	X COMPANY	COMPANY	COMPANY PC75UU	COMPANY PC200	COMPANY PC75UU
	08:38	21:14	03:20	20:28	09:57	05:25	21:54
TIME	2000/01/31 08:38	2000/01/30 21:14	2000/01/30 03:20	2000/01/29 20:28	2000/01/29 09:57	2000/01/29 05:25	2000/01/28 21:54
WATCH			D				∇

ORGANIZE NOTICES

*This screen is automatically updated at a certain time interval.

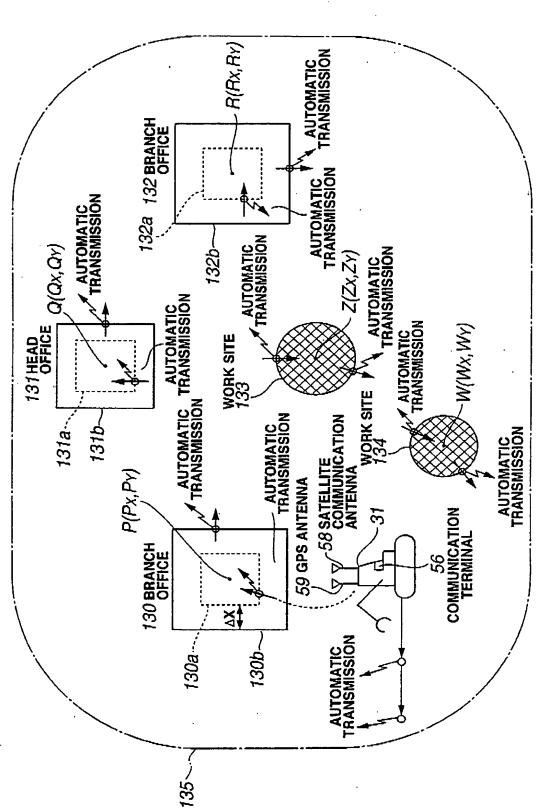


FIG.35

SCREEN OF ENTRY AND LEAVING

LATEST ITEMS FROM NO.1 TO NO.10 DISPLAYED. PREVIOUS 20 ITEMS NEXT 20 ITEMS PAGE:1

TIME	PARTICULARS OF ENTRY AND LEAVING
1999/11/15 16:19:00	LEFT SOUTH TOKYO OFFICE.
1999/11/15 15:37:00	ENTERED SHIRAKAWA BRANCH OFFICE.
1999/11/15 13:53:00	1999/11/15 13:53:00 LEFT WEST TOKYO OFFICE.
1999/11/12 14:37:00	1999/11/12 14:37:00 LOCATED AT WEST TOKYO OFFICE.
1999/11/12 14:17:00	ENTERED WEST TOKYO OFFICE.

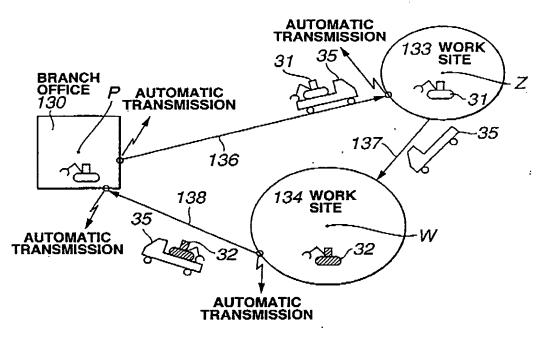


FIG.37(a)

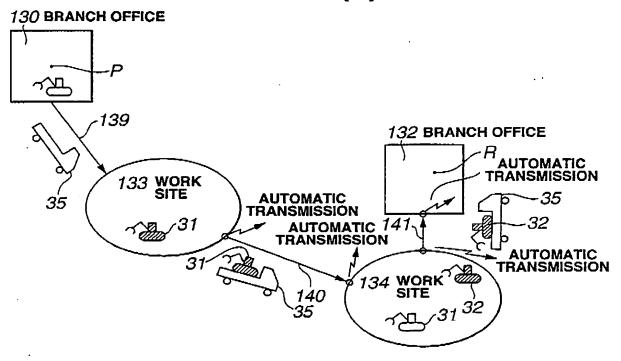


FIG.37(b)

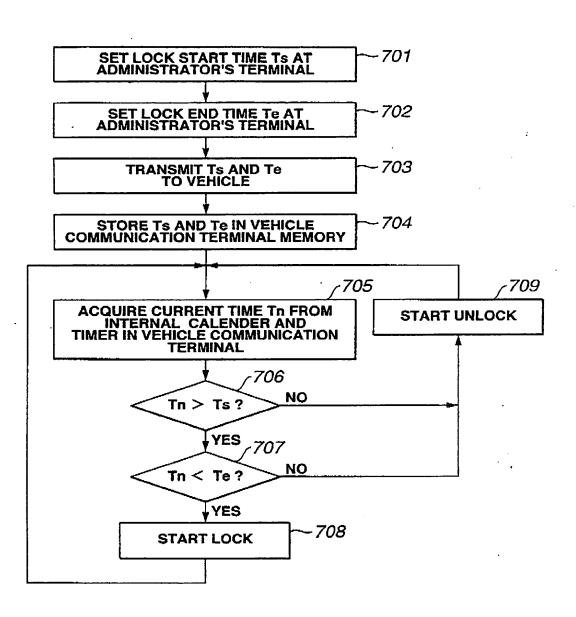
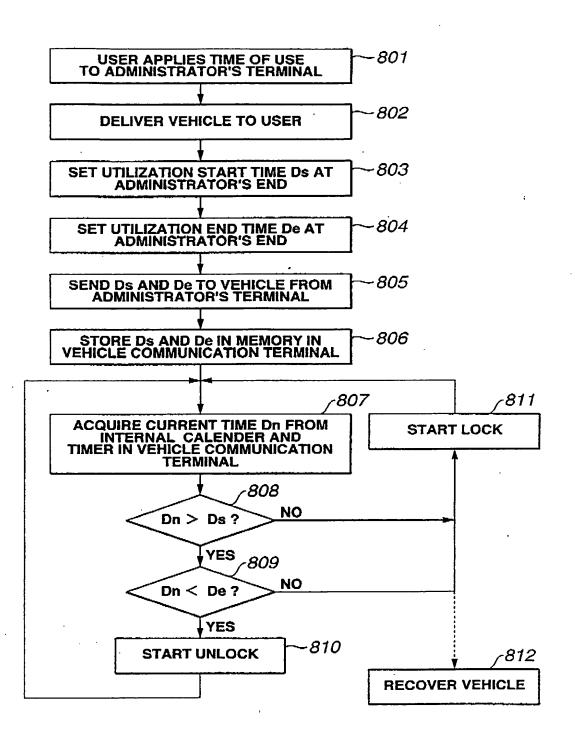


FIG.38



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FIG.39

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프 등 등

SATOH

DISTRICT TO THE PROPERTY SAND SAND TEST

2000/01/22

2000/01/21

9:00 24:00 36 MINUTES

KATOH

24:00 12 MINUTES

2000/01/24

2000/01/23

0 HOUR 0 MINUTE

0:00

SATOH

· .															 -
	QUARRY			HEMARINS			LUBE								
	HA ROCK		NAME OF	WORKER			SATOH		SATOH	SATOH		CHZHV	3020RI	CHZIIK	SOFUL
CREEN	SITE: IROHA ROCK QUARRY		RUNNING	TIME		0 MINUTE	8 HOURS		24:00 24 MINUTES	8 HOURS	36 MINUTES	9 HOURS	12 MINUTES	0 HOUR	24:00 54 MINUTES
DAILY WORK REPORT SCREEN			2440	HUNING MAP	E	24:00		00.64	24:00		24:00		24:00		24:00
				NINOLI		0:00			00:00		0:00		0:00		0:00
ABC DOBOKU (KK)			SAAC	שואם	2000/01/30		2000/01/29		2000/01/28	2000/01/97		2000/01/206		2000/04/25	
	COMPANY A	PC2000	9E	18322	K274		POWER SHOVEL	-	UNCLASSIFIED	UNCLASSIFIED	2000/01/30	23:00:00	REPLY SENT		
	MANUFACTURER COMPANY A	MODEL	MODEL NUMBER	MACHINE NUMBER	IDENTIFICATION ID1 K274	IDENTIFICATION ID2	VEHICLE TYPE	UTILIZATION USER	CLASSIFICATION 1 UNCLASSIFIED	CLASSIFICATION 2	DATE OF RECEIPT	OF LATEST MAIL	COMMUNICATION	STATUS	

FIG.40

CHARGES: XXXXXXXX YEN (TOTAL 49 HOURS 6 MINUTES)

